



Konferencija Srce DEI

# Computational Design of Strong Organic Hydride Donors

Srce DEI 2026

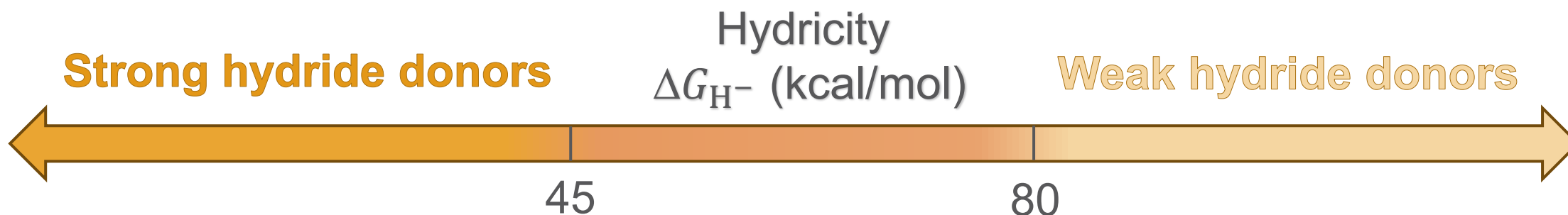
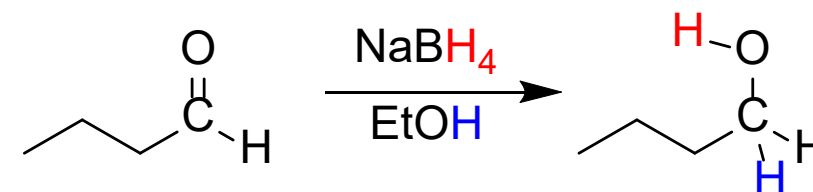
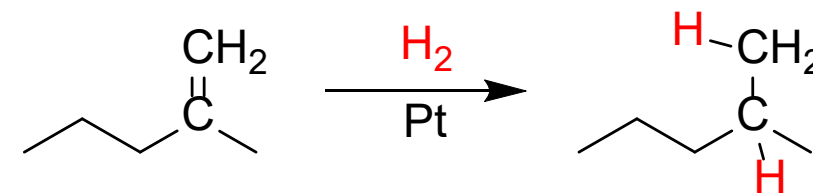


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od 1971.



# Hydride donors

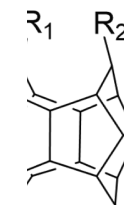
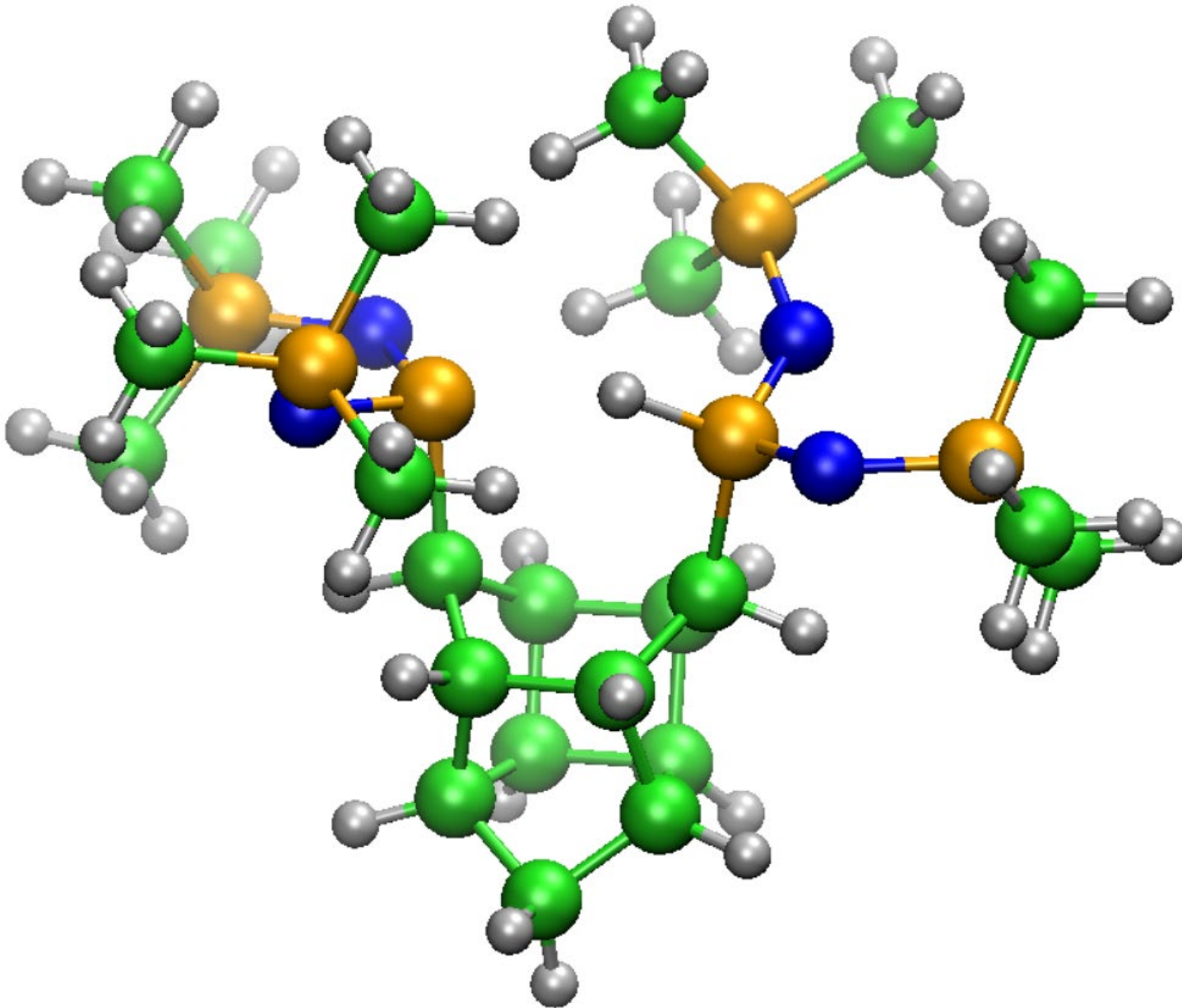
- Important in many chemical reactions
- Their strength is defined by hydricity



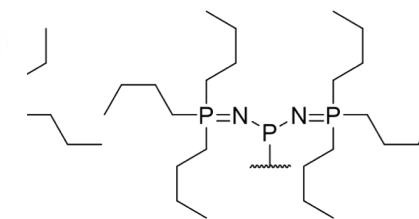


# Bisph

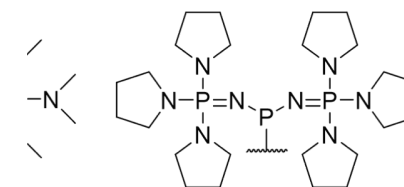
- Protor
- Phosp
- Alifatic



III



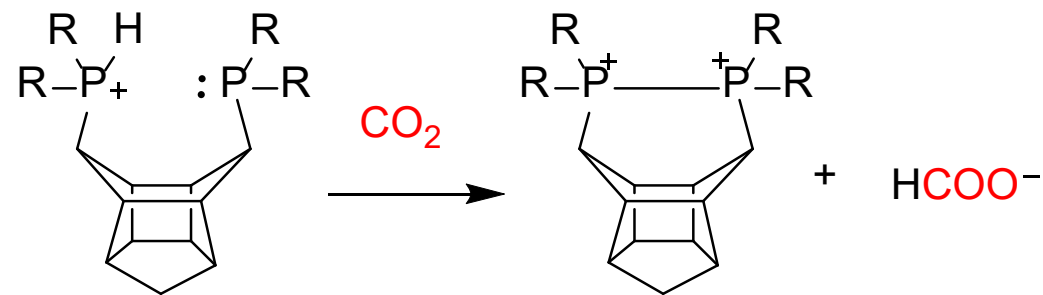
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# Results





# Conclusion

- ✓ Phosphazanyl bisphosphines are very strong hydride donors
- ✓ P–P bond stabilization significantly enhances hydricity
- ✓ Strong electron donating groups stabilize dication



# Thank you!

See you at the poster session.



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